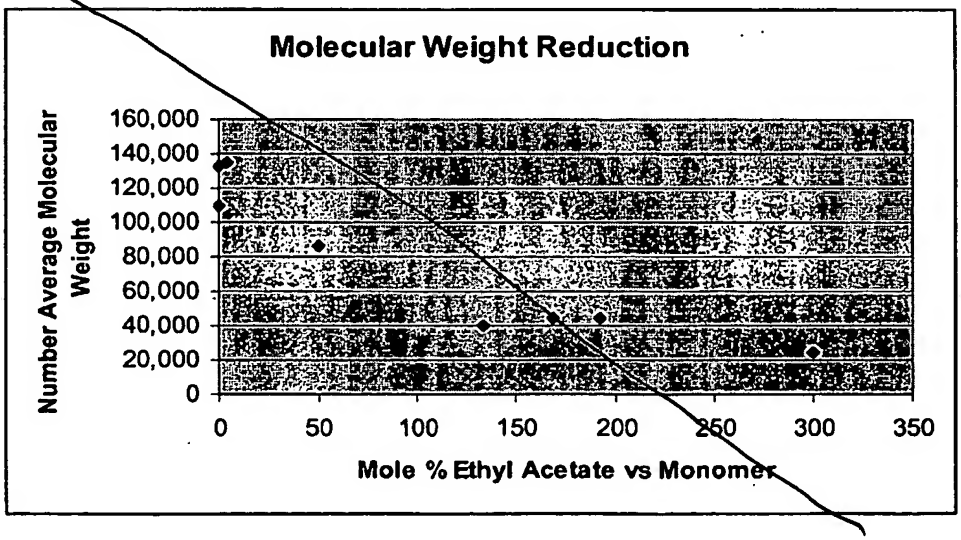
determined by GPC relative to PS standards. Films of Poly (32) were spun from propylene glycol methyl ether acetate (PGMEA) onto several silicon wafers. These films were not soluble under normal base conditions, but it is understood by those skilled in the art that solubility can be achieved by copolymerization with a suitable comonomer or by derivatization by a suitable acid labile group.

Example 22. Control of molecular weight.

[00110] In some cases, it was found necessary to control the molecular weight of the polymer by adding a molecular weight modifier. We found ethyl acetate to be a particularly effective modifier. When the amount of ethyl acetate was too high (9 fold molar excess vs monomer), polymerization did not occur. At the other extreme, addition of only 1-4 mol % ethyl acetate vs monomer led to high MW polymer. A summary of the effect of ethyl acetate on molecular weight of the homopolymer of Compound 2 is shown in Figure 1.

~~Figure 1:~~



See applicants amdts + remarks filed 8/18/06

Riley